

INTERNATIONAL SEARCH REPORT

PCT/IB 03/01122

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06T11/00 A61B5/055 A61B6/03		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G06T A61B		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, INSPEC		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LIPINSKI ET AL.: "Expectation Maximization Reconstruction of Positron Emission Tomographic Images Using Anatomical Magnetic Resonance Information" IEEE TRANSACTIONS ON MEDICAL IMAGING, vol. 16, no. 2, 1 April 1997 (1997-04-01), pages 129-136, XP002244909 page 129, left-hand column, paragraph 1 -page 130, left-hand column, paragraph 3 page 134, right-hand column, paragraph 2 -page 136, left-hand column, paragraph 1 abstract --- -/--	1-7
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. * & document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
19 June 2003		02/07/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Manschot, J

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>YONG ZHANG ET AL: "Incorporating MRI region information into SPECT reconstruction using joint estimation" ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, 1995. ICASSP-95., 1995 INTERNATIONAL CONFERENCE ON DETROIT, MI, USA 9-12 MAY 1995, NEW YORK, NY, USA, IEEE, US, 9 May 1995 (1995-05-09), pages 2307-2310, XP010151802 ISBN: 0-7803-2431-5 page 2307, left-hand column, paragraph 1 -page 2308, right-hand column, paragraph 2.2 abstract</p> <p>---</p>	1-7
A	<p>VOLLMAR ST ET AL: "Iterative reconstruction of emission tomography data with a-priori-information" NUCLEAR SCIENCE SYMPOSIUM, 1998. CONFERENCE RECORD. 1998 IEEE TORONTO, ONT., CANADA 8-14 NOV. 1998, PISCATAWAY, NJ, USA, IEEE, US, 8 November 1998 (1998-11-08), pages 1560-1561, XP010338179 ISBN: 0-7803-5021-9 cited in the application the whole document</p> <p>-----</p>	1,2,4,6, 7